

Technical Data Sheet

Hostacom PPH GF 30 LW LE H3 BLACK



Polypropylene, Homopolymer

Product Description

30% glass fibre reinforced PP-Homopolymer, long term heat stabilized, laser weldable, low emission. Available in black color.

Processing Method Injection Molding

Attribute Heat Stabilized; Homopolymer; Laser Weldable; Low Emissions

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	5.1	g/10 min	ISO 1133
Density	1.11	g/cm ³	ISO 1183
Mechanical			
Tensile Strain at Break	3.5	%	ISO 527-2
Flexural Modulus	6200	MPa	ISO 178
Tensile Stress at Break	80	MPa	ISO 527-2
Tensile Modulus	6400	MPa	ISO 527-1
Flexural Stress, (3.5%)	126	MPa	ISO 178
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	9.2	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched, (23 °C, Type 1, Edgewise)	52	kJ/m ²	ISO 179
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa)	156	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	130	°C	ISO 75-2/A
Flammable			
Burning Rate, (2.00 mm)	<100	mm/min	FMVSS 302
UL Information			
Flame Rating			
(1.5 mm)	HB		UL 94
(3.0 mm)	HB		UL 94
Injection Parameters			
Drying Time	2.0 to 3.0	hr	
Drying Temperature	80	°C	
Processing (Melt) Temp	220 to 260	°C	
Mold Temperature	30 to 60	°C	